

**A. Identification and Coding Information**

1. Project Number	Agency Number	Update Code
033812	W-73.30	Change

2. Date: October 1, 2003

7. Pre PDF Pg.No.: 8. Req. Adeq. Pub. Fac.

Revised:

5. Agency: **WSSC**

3. Project Name: Potomac WFP Submerged Channel Intake

4. Program: **Sanitation** 6. Planning Area: Bi-County**B. Expenditure Schedule (000's)**

	(8) Total	(9) Thru FY '03	(10) Estimate FY '04	(11) Total 6 Years	(12) Year 1 FY '05	(13) Year 2 FY '06	(14) Year 3 FY '07	(15) Year 4 FY '08	(16) Year 5 FY '09	(17) Year 6 FY '10	(18) Beyond 6 Years
Cost Elements											
Planning, Design & Supervision	<b>3,820</b>	110	763	<b>2,947</b>	1,456	741	450	300			
Land											
Site Improvements & Utilities											
Construction	<b>10,000</b>			<b>10,000</b>		1,600	5,000	3,400			
Other	<b>1,371</b>		76	<b>1,295</b>	146	234	545	370			
<b>Total</b>	<b>15,191</b>	<b>110</b>	<b>839</b>	<b>14,242</b>	<b>1,602</b>	<b>2,575</b>	<b>5,995</b>	<b>4,070</b>			

**C. Funding Schedule (000's)**

WSSC Bonds	<b>15,191</b>	110	839	<b>14,242</b>	1,602	2,575	5,995	4,070			
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**D. Description & Justification****DESCRIPTION**

This project includes planning, which involves community outreach and coordination with elected officials, design and construction of a submerged channel intake to provide an additional barrier against drinking water contamination (particularly Giardia cysts and Cryptosporidium oocysts), as well as to enhance reliability and reduce treatment costs by drawing water from a location with cleaner, more stable water quality.

**Service Area** Bi-County Area

**JUSTIFICATION****Plans & Studies**

"Technical Memorandum No. 2 Water Quality Needs Assessment", O'Brien & Gere Engineers, Inc. (November, 2001); Potomac WFP Facility Plan", O'Brien & Gere Engineers, Inc. (September, 2002); "Draft Source Water Assessment Study", Maryland Department of the Environment (April, 2002).

**Specific Data**

This project has an estimated payback of 25 years based on the reduced chemical and solids handling costs resulting from the cleaner raw water source. It also provides for a more reliable supply by eliminating the current problems with ice and vegetation blocking of the existing bank withdrawal. This project is consistent with the industry's recommended multiple barrier approach.

**Cost Change**

Not Applicable.

**STATUS** Planning (WSSC Contract No. BF2028F97, ).

**OTHER**

The project scope has remained the same. As part of the planning phase of this project, significant outreach activities will occur. A series of briefings with State legislators, County Council members, County Executive staff and County Council staff will be undertaken prior to commencement of further engineering work. Once the project is underway, elected officials, county government staffs, environmental community members, and the general public will be engaged in an on-going information, outreach and project participation program. Expenditures shown in Block B are planning level estimates only and may increase or decrease. Upon completion of preliminary design, a more reliable estimate can be made. Both Councils will review the results of the detailed study and must approve continuing with the project before design and construction may proceed.

**E. Annual Operating Budget Impact (000's)**

FY of Impact

Program Costs	Staff .....	.....	
	Other .....	.....	
Facility Costs	Maintenance .....	.....	
	Debt Service .....	1262	09
Total Costs.....		1262	09
Impact on Water or Sewer Rate.....		3¢	09

**F. Approval and Expenditure Data (000's)**

Date First in Capital Program	FY 04
Date First Approved	FY 03
Initial Cost Estimate	936
Cost Estimate Last FY	15,082
Present Cost Estimate	15,191
Approved Request, Last FY	798
Total Expenditures & Encumbrances	110
Approval Request FY 05	1,602
Supplemental Approval Request Current FY (04)	

**G. Status Information**

Land Status:	Right-of-Way may be required
% Project Completion:	P-0%
Est. Completion Date:	February 2008

**H. Map Map Reference Code:****MAP NOT AVAILABLE**